

0590  
01/14/2002



OIEP

## RAW SEQUENCE LISTING

DATE: 02/12/2002

PATENT APPLICATION: US/09/737,190A

TIME: 14:11:56

Input Set : N:\Crf3\02012002\I737190.raw

Output Set: N:\CRF3\02122002\I737190A.raw

ENTERED

```

1 <110> APPLICANT: Shibuya, Tetsuo
2 <120> TITLE OF INVENTION: A Method for Changing a Target Array, a Method for Analyzing
3   a Structure, and an Apparatus, a Storage Medium and a
4   Transmission Medium Therefor
5 <130> FILE REFERENCE: JP919990270US1 (14043)
6 <140> CURRENT APPLICATION NUMBER: US/09/737,190A
7 <141> CURRENT FILING DATE: 2000-12-14
8 <160> NUMBER OF SEQ ID NOS: 2
9 <170> SOFTWARE: PatentIn Ver. 2.1
11 <210> SEQ ID NO: 1
12 <211> LENGTH: 9719
13 <212> TYPE: DNA
14 <213> ORGANISM: Human iImmunodeficiency virus type 1
15 <400> SEQUENCE: 1
16   tggaaagggt aattcactcc caacgaagac aagatatacct tgatctgtgg atctaccaca 60
17   cacaaggcta ctccctgat tagcagaact acacaccagg gccagggatc agatatccac 120
18   tgacctttgg atggtgctac aagctagtag cagttgagcc agagaagtta gaagaagcca 180
19   acaaaggaga gaacaccagc ttgttacacc ctgtgagcct gcatggaatg gatgaccogg 240
20   agagagaagt gttagagtgg aggtttgaca gccgcctagc atttcatcac atggcccgag 300
21   agctgcatcc ggagtacttc aagaactgct gacatcgagc ttgctacaag ggactttccg 360
22   ctggggactt tccagggagg cgtggcctgg gcgggactgg ggagtggcga gccctcagat 420
23   cctgcatata agcagctgct ttttgccctg actgggtctc tctggttaga ccagatctga 480
24   gcctgggagc tctctggcta actagggaac ccactgctta agcctcaata aagcttgcc 540
25   tgagtgtctc aagtagtgtg tgcccgtctg ttgtgtgact ctggtaacta gagatccctc 600
26   agaccctttt agtcagtgtg gaaaatctct agcagtggcg cccgaacagg gacctgaaag 660
27   cgaaagggaa accagaggag ctctctcgac gcaggactcg gcttgctgaa gcgcgcacgg 720
28   caagaggcga ggggcggcga ctggtgagta cgccaaaaat tttgactagc ggaggctaga 780
29   aggagagaga tgggtgagag agcgtcagta ttaagcgggg gagaattaga tcatgggaa 840
30   aaaattcggt taaggccagg gggaaagaaa aaatataaat taaaacatat agtatgggca 900
31   agcaggagag tagaacgatt cgcagttaat cctggcctgt tagaaacatc agaaggctgt 960
32   agacaaatac tgggacagct acaaccatcc cttcagacag gatcagaaga acttagatca 1020
33   ttatataata cagtagcaac cctctattgt gtgcatcaaa ggatagagat aaaagacacc 1080
34   aaggaagctt tagacaagat agaggaagag caaaacaaaa gtaagaaaaa agcacagcaa 1140
35   gcagcagctg acacaggaca cagcaatcag gtcagccaaa attaccctat agtcagaac 1200
36   atccaggggc aaatggtaca tcaggccata tcacctagaa ctttaaatgc atgggtaaaa 1260
37   gtagtagaag agaaggcttt cagcccagaa gtgataccca tgttttcagc attatcagaa 1320
38   ggagccaccc cacaagattt aaacaccatg ctaaacacag tggggggaca tcaagcagcc 1380
39   atgcaaagt taaaagagac catcaatgag gaagctgcag aatgggatag agtgcacca 1440
40   gtgcatgcag ggcctattgc accaggccag atgagagaac caaggggaag tgacatagca 1500
41   ggaactacta gtacccttca ggaacaaata gtaggtatga caaataatcc acctatccca 1560
42   gtaggagaaa ttataaaaag atggataatc ctgggattaa ataaaatagt aagaatgtat 1620
43   agccctacca gcattctgga cataagacaa ggaccaaagg aaccctttag agactatgta 1680
44   gaccggttct ataaaactct aagagccgag caagcttcac aggaggtaaa aaattggatg 1740

```

## RAW SEQUENCE LISTING

DATE: 02/12/2002

PATENT APPLICATION: US/09/737,190A

TIME: 14:11:56

Input Set : N:\Cr3\02012002\I737190.raw

Output Set: N:\CRF3\02122002\I737190A.raw

```

45  acagaaacct  tgttgggtcca  aaatgcgaac  ccagattgta  agactatttt  aaaagcattg  1800
46  ggaccagcgg  ctacactaga  agaaatgatg  acagcatgtc  agggagtagg  aggacccggc  1860
47  cataaggcaa  gagttttggc  tgaagcaatg  agccaagtaa  caaattcagc  taccataatg  1920
48  atgcagagag  gcaatttttag  gaaccaaaga  aagattgtta  agtgtttcaa  ttgtggcaaa  1980
49  gaagggcaca  cagccagaaa  ttgcagggcc  cctaggaaaa  agggctgttg  gaaatgtgga  2040
50  aaggaaggac  accaaatgaa  agattgtact  gagagacagg  ctaatttttt  agggaagatc  2100
51  tggccttcct  acaaggggaag  gccagggaat  tttcttcaga  gcagaccaga  gccaacagcc  2160
52  ccaccagaag  agagcttcag  gtctggggta  gagacaacaa  ctccccctca  gaagcaggag  2220
53  ccgatagaca  aggaactgta  tcctttaact  tccctcaggt  cactcttttg  caacgacccc  2280
54  tcgtcacaat  aaagataggg  gggcaactaa  aggaagctct  attagataca  ggagcagatg  2340
55  atacagtatt  agaagaaatg  agtttgccag  gaagatggaa  accaaaaatg  atagggggaa  2400
56  ttggagggtt  tatcaaagta  agacagtatg  atcagatact  catagaaatc  tgtggacata  2460
57  aagctatagg  tacagtatta  gtaggacct  cacctgtcaa  cataattgga  agaaatctgt  2520
58  tgactcagat  tggttgcact  ttaatttttc  ccattagccc  tattgagact  gtaccagtaa  2580
59  aattaaagcc  aggaatggat  ggcccaaaag  ttaacaatg  gccattgaca  gaagaaaaaa  2640
60  taaaagcatt  agtagaaatt  tgtacagaga  tggaaaagga  agggaaaatt  tcaaaaattg  2700
61  ggctgaaaa  tccatacaat  actccagtat  ttgccataaa  gaaaaaagac  agtactaaat  2760
62  ggagaaaatt  agtagatttc  agagaactta  ataagagaac  tcaagacttc  tgggaagttc  2820
63  aattaggaat  accacatccc  gcagggttaa  aaaagaaaaa  atcagtaaca  gtactggatg  2880
64  tgggtgatgc  atatttttca  gtcccttag  atgaagactt  caggaagtat  actgcattta  2940
65  ccatacctag  tataaacaat  gagacaccag  ggattagata  tcagtacaat  gtgcttcacc  3000
66  agggatggaa  aggatcacca  gcaatattcc  aaagtagcat  gacaaaaatc  ttagagcctt  3060
67  ttagaaaaca  aaatccagac  atagtattct  atcaatacat  ggatgatttg  tatgtaggat  3120
68  ctgacttaga  aatagggcag  catagaacaa  aaatagagga  gctgagacaa  catctgttga  3180
69  ggtggggact  taccacacca  gacaaaaaac  atcagaaaga  acctccattc  ctttggatgg  3240
70  gttatgaact  ccactctgat  aaatggacag  tacagcctat  agtgctgcca  gaaaaagaca  3300
71  gctggactgt  caatgacata  cagaagttag  tggggaaatt  gaattgggca  agtcagattt  3360
72  acccagggat  taagtaagg  caattatgta  aactccttag  aggaaccaa  gcactaacaa  3420
73  aagtaatacc  actaacagaa  gaagcagagc  tagaactggc  agaaaacaga  gagattctaa  3480
74  aagaaccagt  acatggagtg  tattatgacc  catcaaaaga  cttaatagca  gaaatacaga  3540
75  agcaggggca  aggccaatgg  acatatcaaa  tttatcaaga  gccatttaaa  aatctgaaaa  3600
76  caggaaaata  tgcaagaatg  aggggtgcc  aactaatga  tgtaaaacaa  ttaacagagg  3660
77  cagtgcacaa  aataaccaca  gaaagcatag  taatatgggg  aaagactcct  aaatttaaac  3720
78  tgcccataca  aaaggaaaca  tgggaaacat  ggtggacaga  gtattggcaa  gccacctgga  3780
79  ttcttgagtg  ggagtttggt  aatacccctc  ccttagtgaa  attatggtac  cagttagaga  3840
80  aagaacccat  agtaggagca  gaaaccttct  atgtagatgg  ggcagctaac  agggagacta  3900
81  aattaggaaa  agcaggatat  gttactaata  gaggaagaca  aaaagttgtc  accctaactg  3960
82  acacaacaaa  tcagaagact  gagttacaag  caatttatct  agctttgcag  gattcgggat  4020
83  tagaagtaaa  catagtaaca  gactcacaat  atgcattagg  aatcattcaa  gcacaaccag  4080
84  atcaaagtga  atcagagtta  gtcaatcaaa  taatagagca  gttataaaaa  aaggaaaagg  4140
85  tctatctggc  atgggtacca  gcacacaaag  gaattggagg  aaatgaacaa  gtagataaat  4200
86  tagtcagtgc  tggaatcagg  aaagtactat  ttttagatgg  aatagataag  gcccaagatg  4260
87  aacatgagaa  atatcacagt  aattggagag  caatggctag  tgattttaac  ctgccacctg  4320
88  tagtagcaaa  agaaatagta  gccagctgtg  ataaatgtca  gctaaaagga  gaagccatgc  4380
89  atggacaagt  agactgtagt  ccaggaatat  ggcaactaga  ttgtacacat  ttagaaggaa  4440
90  aagttatcct  ggtagcagtt  catgtagcca  gtggatatat  agaagcagaa  gttattccag  4500
91  cagaaacagg  gcaggaaaca  gcataatttc  ttttaaaatt  agcaggaaga  tggccagtaa  4560
92  aaacaataca  tactgacaat  ggcagcaatt  tcaccgggtg  tacggttagg  gccgcctgtt  4620
93  ggtggggcgg  aatcaagcag  gaatttggaa  ttccctacaa  tccccaaagt  caaggagtag  4680

```

## RAW SEQUENCE LISTING

DATE: 02/12/2002

PATENT APPLICATION: US/09/737,190A

TIME: 14:11:56

Input Set : N:\Cr3\02012002\I737190.raw

Output Set: N:\CRF3\02122002\I737190A.raw

```

94 tagaatctat gaataaagaa ttaaagaaaa ttataggaca ggtaagagat caggctgaac 4740
95 atcttaagac agcagtacaa atggcagtat tcatccacaa ttttaaaaga aaagggggga 4800
96 ttgggggggta cagtgcaggg gaaagaatag tagacataat agcaacagac atacaaacta 4860
97 aagaattaca aaaacaaatt acaaaaattc aaaattttcg ggttttattac agggacagca 4920
98 gaaatccact ttggaaagga ccagcaaagc tcctctggaa aggtgaaggg gcagtagtaa 4980
99 tacaagataa tagtgacata aaagtagtgc caagaagaaa agcaaagatc attagggatt 5040
100 atggaaaaca gatggcaggt gatgattgtg tggcaagtag acaggatgag gattagaaca 5100
101 tggaaaagtt tagtaaaaca ccatatgtat gtttcagggg aagctagggg atggttttat 5160
102 agacatcact atgaaagccc tcatccaaga ataagttcag aagtacacat ccactagggg 5220
103 gatgctagat tggtaataac aacataattg ggtctgcata caggagaaa agactggcat 5280
104 ttgggtcagg gagtctccat agaattggag aaaaagagat atagcacaca agtagaccct 5340
105 gaactagcag accaaactaat tcatctgtat tactttgact gtttttcaga ctctgctata 5400
106 agaaaggcct tattaggaca catagttagc cctaggtgtg aatatcaagc aggacataac 5460
107 aaggtaggat ctctacaata cttggcacta gcagcattaa taacacccaa aaagataaag 5520
108 ccacctttgc ctagtggttac gaaactgaca gaggatagat ggaacaagcc ccagaagacc 5580
109 aagggccaca gagggagcca cacaatgaat ggacactaga gcttttagag gagcttaaga 5640
110 atgaagctgt tagacatttt cctaggattt ggctccatgg cttagggcaa catatctatg 5700
111 aaacttatgg ggatacttgg gcaggagtgg aagccataat aagaattctg caacaactgc 5760
112 tgtttatcca ttttcagaat tgggtgtcga catagcagaa taggcgttac tcgacagagg 5820
113 agagcaagaa atggagccag tagatcctag actagagccc tgggaagcatc cagggaagtca 5880
114 gcctaaaact gcttgtagca attgctattg taaaagtggt tgctttcatt gccaggttg 5940
115 tttcataaca aaagccttag gcatctccta tggcaggaag aagcggagac agcgacgaag 6000
116 agctcatcag aacagtcaga ctcatcaagc ttctctatca aagcagtaag tagtacatgt 6060
117 aacgcaacct ataccaatag tagcaatagt agcattagta gtagcaataa taatagcaat 6120
118 agttgtgtgg tccatagtaa tcatagaata taggaaaata ttaagacaaa gaaaaataga 6180
119 caggttaatt gatagactaa tagaaagagc agaagacagt ggcaatgaga gtgaaggaga 6240
120 aatatcagca cttgtggaga tgggggtgga gatggggcac catgctcctt gggatgttga 6300
121 tgatctgtag tgctacagaa aaattgtggg tcacagtcta ttatggggta cctgtgtgga 6360
122 aggaagcaac caccactcta ttttgtgtac cagatgctaa agcatatgat acagaggtac 6420
123 ataattgttg ggccacacat gctgtgtac ccacagacc caaccacaa gaatgtagt 6480
124 tggtaaatgt gacagaaaat ttaacatgt ggaaaaatga catggtagaa cagatgcatg 6540
125 aggatataat cagtttatgg gatcaaagcc taaagccatg tgtaaaatta accccactct 6600
126 gtgttagttt aaagtgcact gatttgaaga atgatactaa taccaatagt agtagcggga 6660
127 gaatgataat ggagaaagga gagataaaaa actgctcttt caatatcagc acaagcataa 6720
128 gaggttaagg gcagaaagaa tatgcatttt tttataaact tgatataata ccaatagata 6780
129 atgatactac cagctataag ttgacaagtt gtaacacctc agtcattaca caggcctgtc 6840
130 caaagggtatc ctttgagcca attcccatac attattgtgc cccggctggg tttgcgattc 6900
131 taaaatgtaa taataagacg ttcaatggaa caggaccatg tacaaatgtc agcacagtac 6960
132 aatgtacaca tggaaattagg ccagtagtat caactcaact gctgttaaat ggcagtctag 7020
133 cagaagaaga ggtagtaatt agatctgtca atttcacgga caatgctaaa accataatag 7080
134 tacagctgaa cacatctgta gaaattaatt gtacaagacc caacaacaat acaagaaaaa 7140
135 gaatccgtat ccagagagga ccaggagagc catttggttac aataggaaaa ataggaaata 7200
136 tgagacaagc acattgtaac attagtagag caaaatggaa taacacttta aaacagatag 7260
137 ctagcaaatt aagagaacaa tttggaaata ataaaacaat aatctttaag caatcctcag 7320
138 gaggggaccc agaaattgta acgcacagtt ttaattgtgg aggggaattt ttctactgta 7380
139 attcaacaca actgtttaat agtacttggt ttaattgtac ttggagtact gaaggggtcaa 7440
140 ataacactga aggaagtgc acaatcacc tccatgcag aataaaacaa attataaaca 7500
141 tgtggcagaa agtaggaaaa gcaatgtatg cccctccat cagtggacaa attagatgtt 7560
142 catcaaatat tacagggctg ctattaacaa gagatgggtg taatagcaac aatgagtcog 7620

```

## RAW SEQUENCE LISTING

DATE: 02/12/2002

PATENT APPLICATION: US/09/737,190A

TIME: 14:11:57

Input Set : N:\Crif3\02012002\I737190.raw

Output Set: N:\CRF3\02122002\I737190A.raw

```

143 agatcttcag acctggagga ggagatatga gggacaattg gagaagtga ttatataaat 7680
144 ataaagtagt aaaaattgaa ccattaggag tagcaccac caaggcaaag agaagagtgg 7740
145 tgcagagaga aaaaagagca gtgggaatag gagctttgtt ccttgggttc ttgggagcag 7800
146 caggaagcac tatgggcgca gcctcaatga cgtgacggt acaggccaga caattattgt 7860
147 ctggtatagt gcagcagcag aacaatttgc tgagggtctat tgaggcgcaa cagcatctgt 7920
148 tgcaactcac agtctggggc atcaagcagc tccaggcaag aatcctggct gtggaaagat 7980
149 acctaaagga tcaacagctc ctggggattt ggggttgctc tggaaaactc atttgcacca 8040
150 ctgctgtgcc ttggaatgct agttggagta ataaatctct ggaacagatt tggaaatcaca 8100
151 cgacctggat ggagtgggac agagaaaatta acaattacac aagcttaata cactccttaa 8160
152 ttgaagaatc gcaaaaccag caagaaaaga atgaacaaga attattggaa ttagataaat 8220
153 gggcaagtgt gtggaattgg tttaacataa caaattggct gtggtatata aaattattca 8280
154 taatgatagt aggaggcttg gtaggtttaa gaatagtttt tgctgtactt tctatagtga 8340
155 atagagttag gcagggatat tcaccattat cgtttcagac ccacctccca acccgaggg 8400
156 gacccgacag gcccgaggga atagaagaag aagggtggaga gagagacaga gacagatcca 8460
157 ttcgattagt gaacggatcc ttggcactta tctgggacga tctgcggagc ctgtgcctct 8520
158 tcagctacca ccgcttgaga gacttactct tgattgtaac gaggattgtg gaacttctgg 8580
159 gacgcagggg gtgggaagcc ctcaaattt ggtggaatct cctacagtat tggagtcagg 8640
160 aactaaagaa tagtgctgtt agcttgctca atgccacagc catagcagta gctgagggga 8700
161 cagatagggg tatagaagta gtacaaggag cttgtagagc tattcgccac atacctagaa 8760
162 gaataagaca gggcttggaaggatatttgc tataagatgg gtggcaagtgt gtcaaaaagt 8820
163 agtgtgattg gatggcctac tgtaagggaagaagaatgagac gagctgagcc agcagcagat 8880
164 aggggtgggag cagcatctcg agacctggaa aaacatggag caatcacaag tagcaataca 8940
165 gcagctacca atgctgcttg tgcttggtgaagcacaaag aggaggagga ggtgggtttt 9000
166 ccagtcacac ctgaggatcc tttaagacca atgacttaca aggagctgt agatcttagc 9060
167 cactttttta aagaaaaggg gggactggaa gggctaattc actcccaaag aagacaagat 9120
168 atccttgatc tgtggatcta ccacacacaa ggctacttcc ctgattagca gaactacaca 9180
169 ccagggccag gggtcagata tccactgacc ttggtatggt gctacaagct agtaccagtt 9240
170 gagccagata agatagaaga ggccaataaa ggagagaaca ccagcttgtt acaccctgtg 9300
171 agcctgcatg ggtatggatga cccggagaga gaagtgttag agtggagggt tgacagccgc 9360
172 ctagcatttc atcacgtggc ccgagagctg catccggagt acttcaagaa ctgctgacat 9420
173 cgagcttgct acaagggact ttccgctggg gactttccag ggaggcgtgg cctgggcggg 9480
174 actggggagt ggcgagccct cagatcctg atataagcag ctgctttttg cctgtactgg 9540
175 gtctctctgg ttagaccaga tctgagcctg ggagctctct ggctaactag ggaacccact 9600
176 gcttaagcct caataaagct tgcttgagt gcttcaagta gtgtgtgccc gtctgttgtg 9660
177 tgactctggt aactagagat ccctcagacc cttttagtca gtgtggaaaa tctctagca 9719

```

179 &lt;210&gt; SEQ ID NO: 2

180 &lt;211&gt; LENGTH: 1334

181 &lt;212&gt; TYPE: DNA

182 &lt;213&gt; ORGANISM: Streptococcus anginosus

183 &lt;220&gt; FEATURE:

184 &lt;221&gt; NAME/KEY: UNSURE

185 &lt;222&gt; LOCATION: (412)

186 &lt;223&gt; OTHER INFORMATION: n at position 412 is uncertain

187 &lt;221&gt; NAME/KEY: UNSURE

188 &lt;222&gt; LOCATION: (449)

189 &lt;223&gt; OTHER INFORMATION: n at position 449 is uncertain

190 &lt;221&gt; NAME/KEY: UNSURE

191 &lt;222&gt; LOCATION: (701)

192 &lt;223&gt; OTHER INFORMATION: n at position 701 is uncertain

## RAW SEQUENCE LISTING

DATE: 02/12/2002

PATENT APPLICATION: US/09/737,190A

TIME: 14:11:57

Input Set : N:\Crf3\02012002\I737190.raw

Output Set: N:\CRF3\02122002\I737190A.raw

```

193 <221> NAME/KEY: UNSURE
194 <222> LOCATION: (855)
195 <223> OTHER INFORMATION: n at position 855 is uncertain
196 <221> NAME/KEY: UNSURE
197 <222> LOCATION: (869)
198 <223> OTHER INFORMATION: n at position 869 is uncertain
199 <221> NAME/KEY: UNSURE
200 <222> LOCATION: (909)
201 <223> OTHER INFORMATION: n at position 909 is uncertain
202 <221> NAME/KEY: UNSURE
203 <222> LOCATION: (1018)
204 <223> OTHER INFORMATION: n at position 1018 is uncertain
205 <221> NAME/KEY: UNSURE
206 <222> LOCATION: (1070)
207 <223> OTHER INFORMATION: n at position 1070 is uncertain
208 <221> NAME/KEY: UNSURE
209 <222> LOCATION: (1121)
210 <223> OTHER INFORMATION: n at position 1121 is uncertain
211 <221> NAME/KEY: UNSURE
212 <222> LOCATION: (1228)
213 <223> OTHER INFORMATION: n at position 1228 is uncertain
214 <221> NAME/KEY: UNSURE
215 <222> LOCATION: (1304)
216 <223> OTHER INFORMATION: n at position 1304 is uncertain
217 <400> SEQUENCE: 2
218      gaacgggtga gtaacgcgta ggtaacctgc ctattagagg gggataacta ttggaaacga 60
219      tagctaatac cgcataacag tatgtaacac atgttagatg cttgaaagat gcaattgcat 120
220      cgctagtaga tggacctgcg ttgtattagc tagtaggtag ggtaaaggcc tacctaggca 180
221      acgatacata gccgacctga gagggtgata ggccacactg ggactgagac acggcccaga 240
222      ctctacggg aggacgcagt agggaaatctt cggcaatggg gggaacctg accgagcaac 300
223      gccgcgtgag tgaagaagggt ttctggatcg taaagctctg ttgttaagga agaacgagtg 360
W--> 224      tgagaatgga aagttcatac tgtgacggta cttaaccaga aagggacggc tnactacgtg 420
W--> 225      ccagcagccg cggtaatacg taggtcccna gcgttgtccg gattttattgg gcgtaaagcg 480
226      agcgcaggcg gttagaaaag tctgaagtga aaggcagtggt ctcaaccatt gtaggctttg 540
227      gaaactgttt aacttgagtg cagaagggga gagtgggaatt ccatgtgtag cggtgaaatg 600
228      cgtagatata tggaggaaca ccggtggcga aagcggctct ctgggtctgta actgacgctg 660
W--> 229      aggctcgaaa gcgtggggag cgaacaggat tagataccct ngtagtccac gccgtaaacg 720
230      atgagtgcta ggtgttgggt cctttccggg actcagtgcc gcagctaacg cattaagcac 780
231      tccgcctggg gagtacgacc gcaagggtga aactcaaagg aattgacggg ggccgcacaa 840
W--> 232      gcggtggagc atgtngttta attcgaagna acgcgaagaa ccttaccagg tcttgacatc 900
W--> 233      ccgatgctnt ttctagagat aggaagtttc ttcggaacat cgggtgacagg tgggtgcatg 960
W--> 234      ttgtcgtcag ctctgtctgt gagatgttgg gttaagtccc gcaacgagcg caaccctnat 1020
W--> 235      tgtagttgac catcattaag ttgggcactc tagcgagact gccggtaatn aaccggagga 1080
W--> 236      aggtggggat gacgtcaaat catcatgccc cttatgacct nggctacaca cgtgctacaa 1140
237      tggtctggtac aacgagtcgc aagccgggtga cggcaagcta atctctgaaa gccagtcctc 1200
W--> 238      gttcggattg taggctgcaa ctgcctnca tgaagtggga atcgctagta atcgcggatc 1260
W--> 239      agcacgcgcg ggtgaatacg ttcccggggc ttgtacacac cgcncgtcac accacgagag 1320
240      tttgtaacac ccga                                     1334

```

## VERIFICATION SUMMARY

DATE: 02/12/2002

PATENT APPLICATION: US/09/737,190A

TIME: 14:11:58

Input Set : N:\Crf3\02012002\I737190.raw

Output Set: N:\CRF3\02122002\I737190A.raw

L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2